

2009

GOVERNOR'S CUP

MINE RESCUE

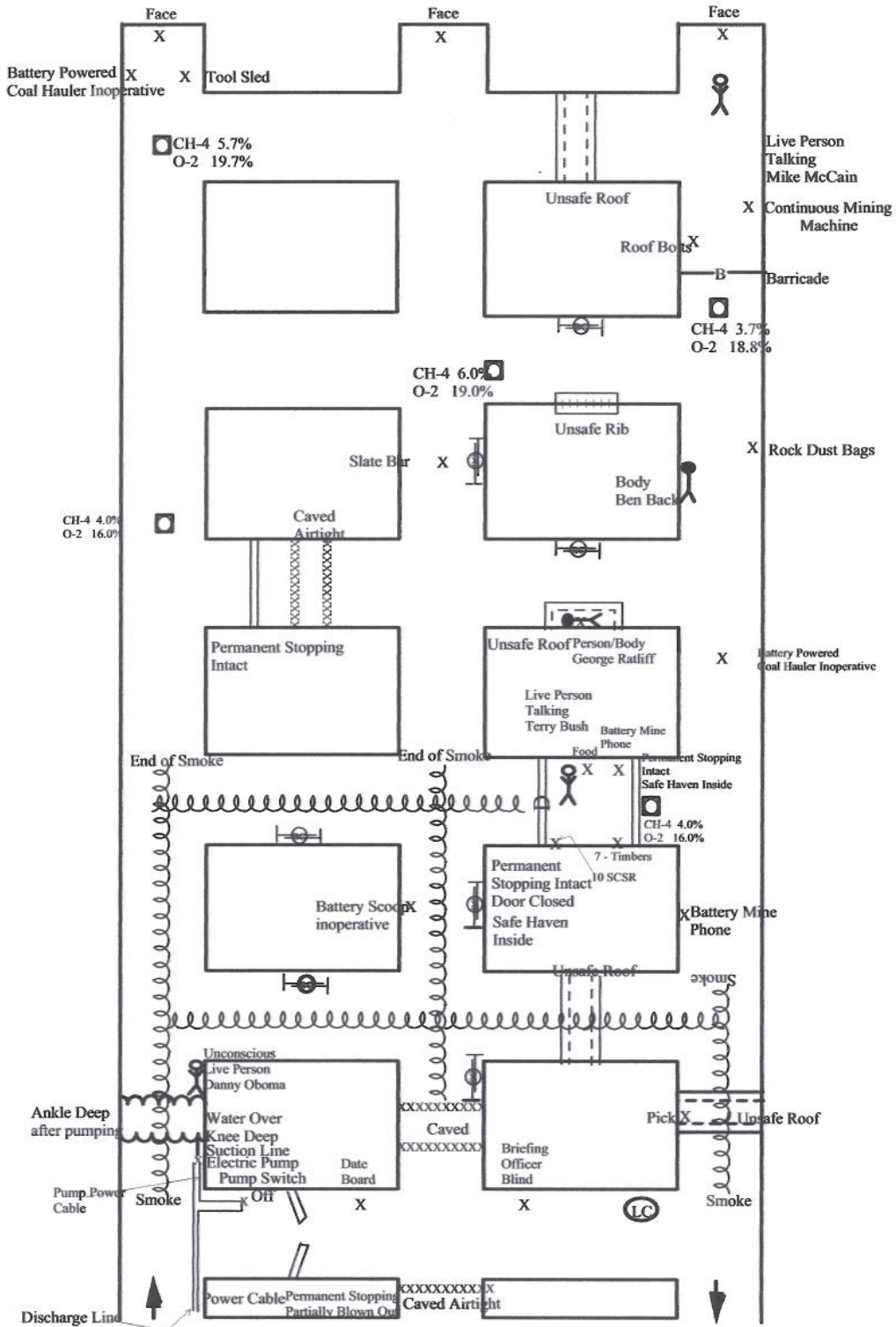
COMPETITION

FIELD PROBLEM

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Chairman's Instructions

- Before the team arrives on the field, the Chairman will check the field for mistakes and placard placement.
- The Chairman is responsible to account for all judges.
- The Chairman is responsible for the stopwatch and for its return to Wayne Davis.
- The Chairman will assign a judge to be the official timekeeper.
- The Chairman, or judge designated by the Chairman, is responsible for turning all placards.
- Make sure Patient No. 1 is placed just inby water over kneed deep near the portal in No. 1 entry as team begins to work. Instruct Patient to place placard on chest.
- Quickly recover Patient No. 1 and make sure Patient No. 2 is placed in the safe haven between No. 2 and 3 entries before the team arrives. Also provide patient "Patient Note #1" at this time. Instruct Patient to begin reading the note when team arrives in intersection.
- After team explores back side of safe haven (off No. 3 entry) place Patient behind barricade in No. 3 entry. Provide patient "Patient note #2". Instruct patient to read the note when team arrives in intersection outby barricade.
- The Chairman is responsible for having all the judges return to the surface at the completion of the problem and must receive both maps from the working team after the clock is stopped.

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Superintendent's Instructions

The Superintendent shall assist the Field Manager in checking the field for mistakes and placard placement prior to any team starting the problem.

- When the team arrives and is ready, the Superintendent will read the prepared statement to the team but will not answer questions regarding the statement, problem, or conditions in the mine.
- A maximum of five (5) minutes will be allowed for the team to review the statement after the Superintendent reads it to them.
- When the team is ready to work and starts the clock, the Superintendent will present the team the written statement, team problem, and maps.
- After giving the team the statement, problem, and maps, the Superintendent will go to the command center to respond to any communications with the briefing officer.
- Read and give briefing officer "Team Note 1" when team starts checking portals.
- The team is to establish communications with the command center prior to the entire team going in by the fresh air base.
- The team is to notify the command center
 - Of the identify and location of missing miners found.
 - Of the location and content of any explosive mixtures found.
 - The Superintendent should note the actual time these items were reported.
- Read and give "Team Note 2" to briefing officer after the team pumps water in No. 1 entry.

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Superintendent's Instructions
(cont.)

- The Superintendent will assist judges in filling out the scorecards upon conclusion of the problem.

**Governor's Cup Mine Rescue Contest
2009 Statement**

I am _____, Mine Manager at this mine. Left Fork Coal Company owns this operation. You are located underground at the fresh air base. This fresh air base was established a short time ago when conditions prevented us from advancing further without breathing apparatus.

At 7:30AM today, a five-man crew traveled to this section to perform some cleanup work. Around 10:00AM, the crew called the surface to report that they had lost electric power feeding the section. A short time later they reported smoke was coming onto the section. We have not heard from the crew since. All other miners have been safely evacuated from the mine.

When we started to investigate the cause of the smoke, we found that the power cable leading to the section had shorted out and caught fire near the mouth of the section. The fire was extinguished and the cable repaired so power can be restored. We will notify the briefing officer when power has been restored to the pump switch located in the fresh air base.

This mine does liberate methane. Water problems along with poor roof conditions were encountered as this section was developed. Ventilation is currently traveling up #1 heading, across the fresh air base and off the section down the #3 heading. There is no ventilation inby the fresh air base at this time. The exhaust fan located on the surface is being monitored continuously.

All required federal and state mining agencies have been notified and they have representatives present at the mine. Several back-up mine rescue teams are present at the mine. A Command Center has been established on the surface of the mine and will function to coordinate information and instructions to and from the team as you work.

**We have a competent lifeline judge available (point out).
The mine map is up to date.
This is all the information we have.**

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Team Problem
Instructions**

- **Account for the missing miners.**
- **Rescue all live persons and bring them to the fresh air base.**
- **The Briefing Officer shall establish communications with the command center prior to the entire team going in by the fresh air base.**
- **The team shall report to the command center immediately:**
 - 1. The identity and location of any missing persons found.**
 - 2. The location and content of any explosive mixtures found.**
- **A time limit of 80 minutes has been established for this problem. The team will be advised 10 minutes prior to the time limit expiring.**

Team Note # 1

Read this note to the briefing officer after the team begins examining the section openings. **(Give the briefing officer the note after reading)**

“Power to the pump switch in the fresh air base has been restored”.

Team Note # 2

Read this note to briefing officer after team pumps the water in #1 heading. **(Give a copy of the note to the briefing officer)**

“The surface just received a call from a miner who is in the section’s safe haven located in the second crosscut inby the fresh air base, between No 2 and 3 headings.”

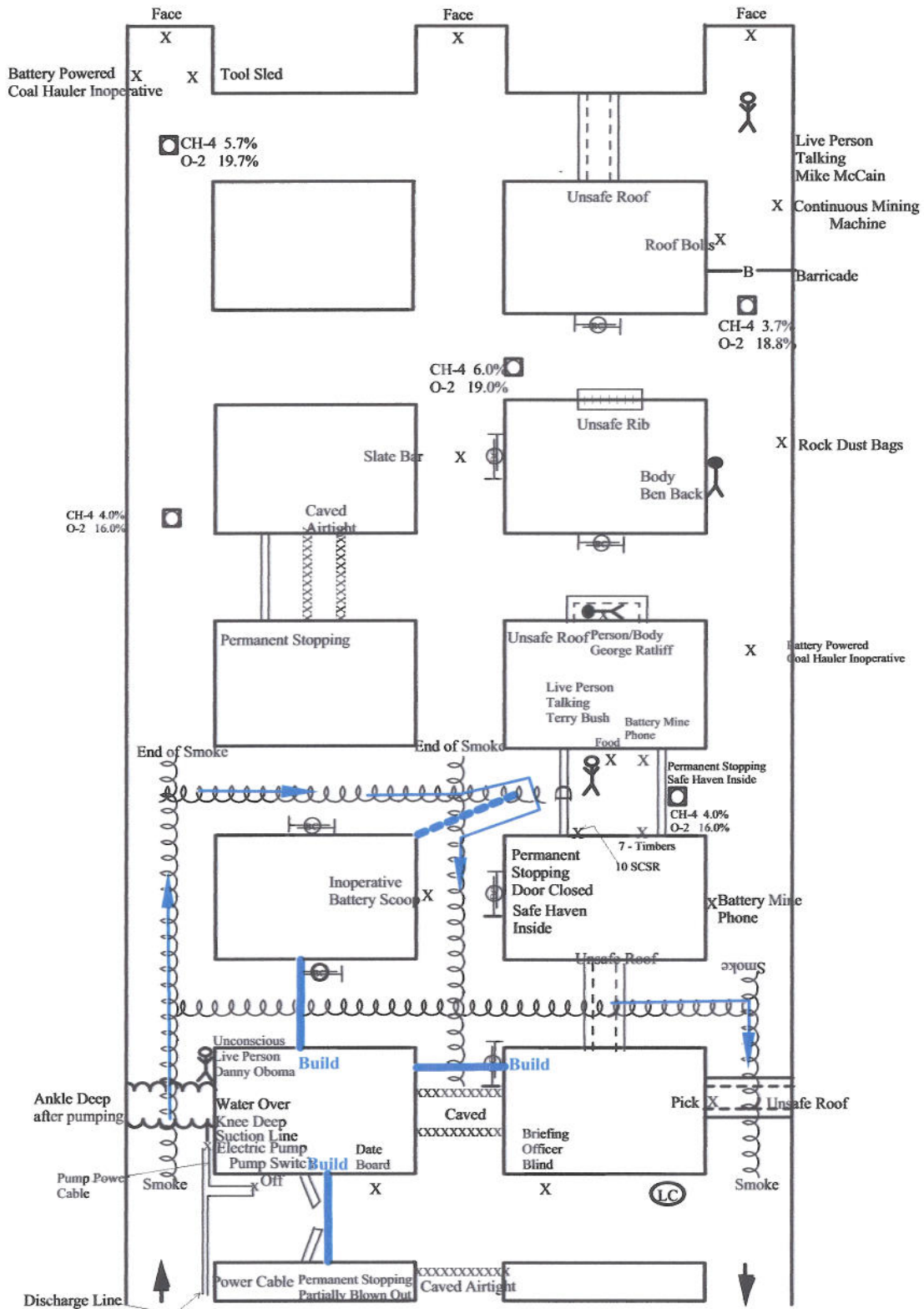
Patient Note # 1

Help! Help! Get me out. This area is airtight.

Patient Note # 2

Help! Help! Get me out.

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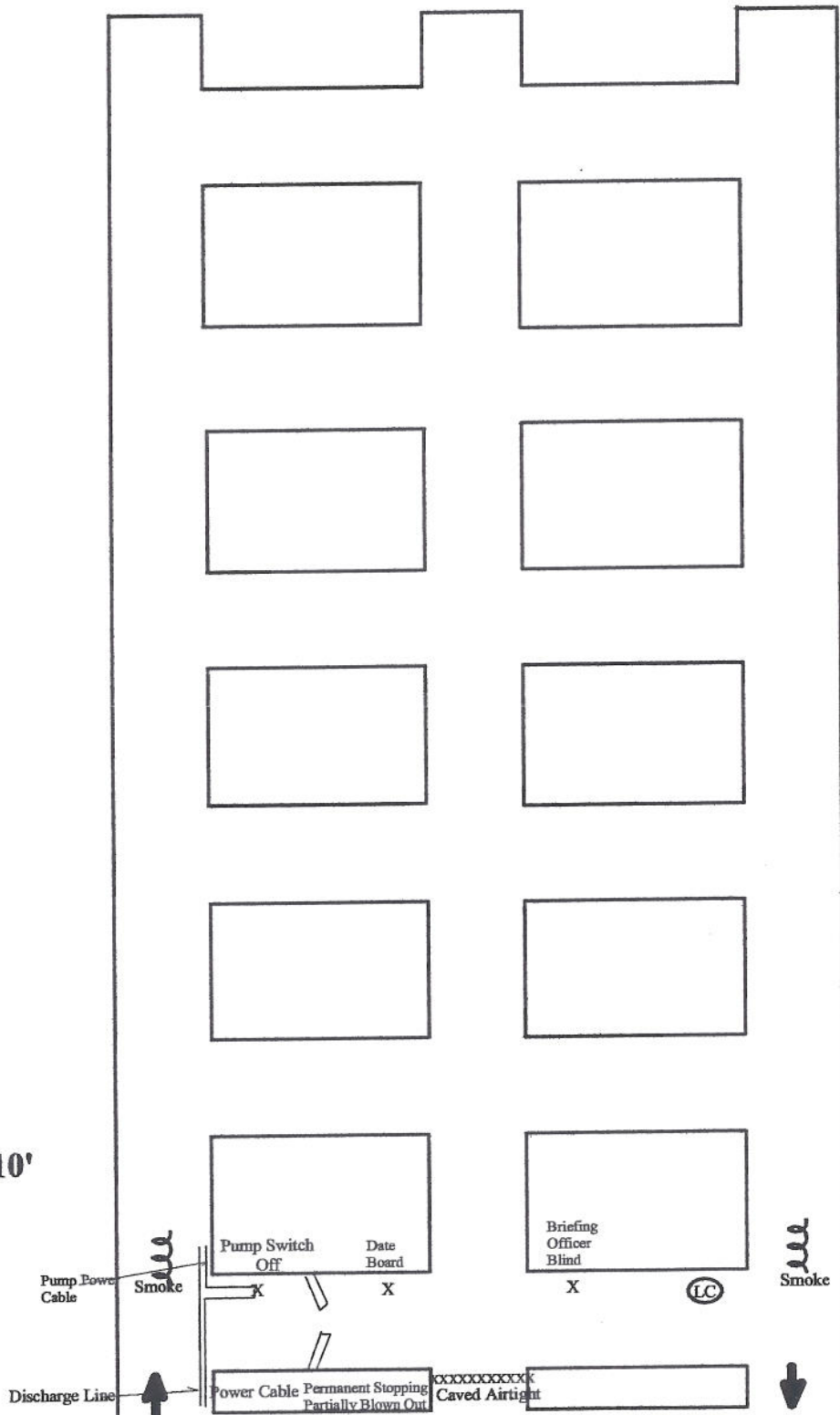
First Ventilation

[illegible]

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Scale: 1" = 10'



**Governor's Cup
Mine Rescue Contest – 2009
General Rules**

- **Nails are not to be used on the field. Top boards have been constructed with slots to connect to the up-rights to stabilize the framework. Ventilation curtains have been provided with Velcro strips. Bottom boards will not be used for temporary stoppings.**
- **Connection of permanent stoppings, temporary stoppings, airlocks, or seals will require connection of all straps. Four (4) straps on top and two (2) on each side must be completed. The lower strap on each side may be left loose for check curtains.**
- **Frames are anchored in place on the field cannot be disassembled. An adequate quantity of building material to work the problem will be provided.**
- **When removing a curtain from the frames, each Velcro strap must be disconnected individually. Do not pull on the curtain to disconnect the Velcro strap. This may result in broken straps.**
- **Working time for the problem will be 80 minutes. If teams do not complete the problem in the time allowed, they will be discounted for any unaccounted for people and for anything that should have been located and mapped.**
- **If weather conditions require judges to alter an airtight build (i.e. loosening the straps, sliding the curtain, etc.) on the field during the working of the problem by the team, a four-inch (4") yellow strip will be attached by the judges to the cross member to indicate to the team that the build is still intact.**

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Ventilation Controls (as left in the mine)

Judge Rotation (All Teams)

First time on field:

#1 Chairman, #2 & 3 Judges, #4 Superintendent, #5 & 6 Lifeline

Second time on field:

#4 Chairman, #5 & 6 Judges, #1 Superintendent, #2 & 3 Lifeline

Third time on field:

#1 Chairman, #2 & 3 Judges, #5 Superintendent, #4 & 6 Lifeline

Fouth time on field:

#4 Chairman, #5 & 6 Judges, #2 Superintendent, #1 & 3 Lifeline